

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(171515) Hex(1F1D1D) Hex(161715) Hex(0A0909) Hex(4A0000) Hex(C90000)

	Hex(171515)	Hex(1F1D1D)	Hex(161715)	Hex(0A0909)	Hex(4A0000)	Hex(C90000)
Hex(171515)		Ratio: 1.08 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(1F1D1D)	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(161715)	Ratio: 1.01 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(0A0909)	Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(4A0000)	Ratio: 1.12 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 2.70 Failed ⁵
Hex(C90000)	Ratio: 3.02 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 2.70 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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